

MAY 09 2007

05-11-07

PTO/SB/17 (07-06)

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2006

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$ 180)
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Complete if Known	
Application Number	09/724,685
Filing Date	November 28, 2000
First Named Inventor	Reed, Steven G.
Examiner Name	Swartz, Rodney P.
Art Unit	1645
Attorney Docket No.	014058-008561US

**METHOD OF PAYMENT** (check all that apply)

Check    Credit Card    Money Order    None    Other (please identify): \_\_\_\_\_  
 Deposit Account   Deposit Account Number: 20-1430   Deposit Account Name: Townsend and Townsend and Crew LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below    Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayments of fee(s)  
 under 37 CFR 1.16 and 1.17    Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

	Small Entity	
Each claim over 20 (including Reissues)	Fee (\$)	Fee (\$)
50	25	
Each independent claim over 3 (including Reissues)	200	100
360	180	
Multiple dependent claims		

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity
-20 or HP =	x	=		Fee (\$)

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
-3 or HP =	x	=		Fee (\$)

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount) \_\_\_\_\_

Other (e.g., late filing surcharge): Submission of Information Disclosure Stmt \_\_\_\_\_

180

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 54,111	Telephone 415-576-0200
Name (Print/Type)	Chuan Gao		Date May (P), 2007

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

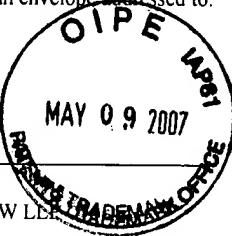
Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

On May 9, 2007

TOWNSEND and TOWNSEND and CREW LLP

By:

Mark T. Davis



PATENT  
Attorney Docket No.: 014058-008561US  
Client Reference No.: 411C13

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steven G. Reed et al.

Application No.: 09/724,685

Filed: November 28, 2000

For: COMPOUNDS AND METHODS  
FOR IMMUNOTHERAPY AND  
DIAGNOSIS OF TUBERCULOSIS

Examiner: Swartz, Rodney P.

Art Unit: 1645

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT UNDER  
37 CFR §1.97 and §1.98

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Chuan Gao  
Reg. No. 54,111

TOWNSEND and TOWNSEND and CREW LLP  
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CG:mtd  
60967686 v1

 Substitute for form 1449A&B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	09/724,685
Sheet	1	of	3	Filing Date	November 28, 2000
				First Named Inventor	Reed, Steven G.
				Art Unit	1645
				Examiner Name	Swartz, Rodney P.
				Attorney Docket Number	014058-008561US

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-4,876,089	10-24-1989	Luciw et al.	

<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )				
	AB	WO	92/16628	A1	10-01-1992			<input type="checkbox"/>
	AC	WO	92/21758	A1	12-10-1992			<input type="checkbox"/>
	AD	WO	94/00493	A1	01-06-1994			<input type="checkbox"/>
	AE	WO	97/09428	A2	03-13-1997			<input type="checkbox"/>
	AF	WO	97/09429	A2	03-13-1997			<input type="checkbox"/>
	AG	EP	0 419 355	A1	03-27-1991			<input type="checkbox"/>
	AH	HU	158035	A	03-01-1971		English abstract attached	<input checked="" type="checkbox"/>
	AI	RU	2024021	C1	11-30-1994		English abstract attached	<input checked="" type="checkbox"/>

<b>NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	AJ	ANDERSON, Peter; "The T Cell Response to Secreted Antigens of <i>Mycobacterium tuberculosis</i> "; 1994, <u>Immunobiol.</u> , Vol. 191, pp. 537-547.				<input type="checkbox"/>
	AK	ANDERSON, Ase Bengard et al.; "Structure and Mapping of Antigenic Domains of Protein Antigen b, a 38,000-Molecular-Weight Protein of <i>Mycobacterium tuberculosis</i> "; 1989, <u>Infection and Immunity</u> , Vol. 57, No. 8, pp. 2481-2488.				<input type="checkbox"/>
	AL	DORAN, T.J. et al.; "Characterisation of a novel repetitive DNA sequence from <i>Mycobacterium bovis</i> "; 1992, <u>FEMS Microbiology Letters</u> , Vol. 96, pp. 179-186.				<input type="checkbox"/>
	AM	HORWITZ, Marcus A. et al.; "Protective immunity against tuberculosis induced by vaccination with major extracellular proteins of <i>Mycobacterium tuberculosis</i> "; 1995, <u>PNAS</u> , Vol. 92, pp. 1530-1534.				<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A&amp;B/PTO

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

3

**Complete if Known**

Application Number	09/724,685
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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AN	LOWRIE, Douglas B. et al.; "Towards a DNA vaccine against tuberculosis"; 1994, <u>Vaccine</u> , Vol. 12, No. 6, pp. 1537-1540,	<input type="checkbox"/>
	AO	MAHAIRAS, Gregory G. et al.; "Molecular Analysis of Genetic Differences between <i>Mycobacterium bovis</i> BCG and Virulent <i>M. bovis</i> "; 1996, <u>Journal of Bacteriology</u> , Vol. 178, No. 5, pp. 1274-1282.	<input type="checkbox"/>
	AP	MOOS, Malcolm Jr.; "Isolation of Proteins for Microsequence Analysis"; 2000, <u>Current Protocols in Molecular Biology</u> , pp. 10.19.1-10.19.12.	<input type="checkbox"/>
	AQ	ROMAIN, F. et al.; "Preparation of Tuberculin Antigen L"; 1985, <u>Ann. Inst. Pasteur/Microbiol.</u> , Vol. 136B, pp. 235-248.	<input type="checkbox"/>
	AR	SHINNICK, Thomas M.; "The 65-Kilodalton Antigen of <i>Mycobacterium tuberculosis</i> "; 1987, <u>Journal of Bacteriology</u> , Vol. 169, No. 3, pp. 1080-1088.	<input type="checkbox"/>
	AS	St. PIERRE, Rebecca et al.; "A refined vector system for the in vitro construction of single-copy transcriptional or translational fusions to lacZ"; 1996, <u>Gene</u> , Vol. 169, pp. 65-68.	<input type="checkbox"/>
	AT	YAMAGUCHI, Ryuji et al.; "Cloning and Characterization of the Gene for Immunogenic Protein MPB64 of <i>Mycobacterium bovis</i> BCG"; 1989, <u>Infection and Immunity</u> , Vol. 57, No. 1, pp. 283-288.	<input type="checkbox"/>
	AU	YOUNG, Douglas B. et al.; "Screening of a Recombinant Mycobacterial DNA Library with Polyclonal Antiserum and Molecular Weight Analysis of Expressed Antigens"; 1987, <u>Infection and Immunity</u> , Vol. 55, No. 6, pp. 1421-1425.	<input type="checkbox"/>
	AV	FSIHI, Hafida et al.; "The <i>Mycobacterium leprae</i> genome: systematic sequence analysis identifies key catabolic enzymes, ATP-dependent transport systems and a novel <i>polA</i> locus associated with genomic variability" 1995, <u>Molecular Microbiology</u> , Vol. 16, No. 5, pp. 909-919.	<input type="checkbox"/>
	AW	Nucleotide Sequence AF2122/97, 1 page.	<input type="checkbox"/>
	AX	Nucleotide Sequence CDC1551, 2 pages.	<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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MAY 09 2007

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	3	of	3	Attorney Docket Number	014058-008561US
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AY	NCBI AD000020 gi: 1717739 Dec. 10, 1996, 10 pages.	<input type="checkbox"/>
	AZ	EMBL Database Entry No. U34848, 5 pages.	<input type="checkbox"/>

Examiner Signature		Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.